

XP-002244230

AN - 1984-275162 [44]
AP - SU19833535904 19830106
CPY - VORM
DC - M14
DR - 1698-U 1711-U 1724-U 1819-U 1939-U
FS - CPI
IC - C09K13/04 ; C23F1/00
IN - FALCHENKO N V; NIKITINA L A; SHAINSKII M E
MC - M14-A
PA - (VORM) VOROSH MECH ENG
PN - SU1079698 A 19840315 DW198444 005pp
PR - SU19833535904 19830106
XA - C1984-116660
XIC - C09K-013/04 ; C23F-001/00
AB - SU1079698 The proposed soln. contains (in wt.%): orthophosphoric acid (s.g 1.7g/cu cm) 1.4-1.6, HNO₃ (s.g 1.4g/cu.cm) 0.9-1.1, ferric chloride 0.9-1.1, K bifluoride 0.3-0.5, sodium perborate 0.5-0.7 and water the remainder.
- Orthophosphoric and nitric acids form oxidising-activating mixt., ensuring continuous dissolution of micro-protrusions on the treated metal surface and polishing of its micro-relief.
- Ferric chloride and potassium bifluoride are used as activators, acting on resistant oxide film formed on Al and Al alloy surfaces.
- Tests show that good quality metal surfaces are obtd. in very short time (45-50 min) during vibro-abrasive treatment of Al or Al alloy details.
- USE/ADVANTAGE - As soln. for vibro-abrasive polishing of Al and Al alloys surfaces.
- The time of treatment is shortened by 3-5 times in comparison with the known solns. Bul.10/15.3.84 (5pp Dwg.No.0/0)
IW - ALUMINIUM ALLOY CHEMICAL TREAT SOLUTION CONTAIN ORTHOPHOSPHORIC ACID NITRIC ACID FERRIC CHLORIDE CALCIUM BI FLUORIDE SODIUM PER BORATE WATER
IKW - ALUMINIUM ALLOY CHEMICAL TREAT SOLUTION CONTAIN ORTHOPHOSPHORIC ACID NITRIC ACID FERRIC CHLORIDE CALCIUM BI FLUORIDE SODIUM PER BORATE WATER
INW - FALCHENKO N V; NIKITINA L A; SHAINSKII M E
NC - 001
OPD - 1983-01-06
ORD - 1984-03-15
PAW - (VORM) VOROSH MECH ENG
TI - Aluminium alloy chemical treatment soln. - contains orthophosphoric acid, nitric acid, ferric chloride, calcium bi:fluoride, sodium per:borate and water